

Daphna Creek Pratt Truss Bridge
State Route 1414, Spanning Daphna Creek
Broadway
Rockingham County
Virginia

HAER No. VA-33

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PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Department of the Interior
Washington, D.C. 20240

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HISTORIC AMERICAN ENGINEERING RECORD

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DAPHNA CREEK PRATT TRUSS BRIDGE

Date: C. 1900

Location: State Route 1414, spanning Daphna Creek, Broadway,
Rockingham County, Virginia.

Engineer: Canton Bridge Company.

Owner: Virginia Department of Highways.

Significance: This structure is a representative Pratt Half-Hip Pony
Truss bridge with pin connections. Its floor beams
are riveted directly to the vertical compression
members and they support a wood plank deck. It is
similar to numerous other small trusses built during
the late 19th and early 20th century throughout
America.

Transmitted By: Dan Clement, 1983.

The Pratt Half-Hip Pony Truss, over Linville Creek in Broadway Virginia, has a total length of 68 feet and a width of 13 feet. It is comprised of four equal length panels with heights of 8 feet. The superstructure is pin connected. The top chords are two channels connected with cover plates and lacing bars. The span posts are double back-to-back angles connected with latticing. The bottom chords, diagonals and counters are rectilinear loop welded eye bars. Built on a substructure of limestone and masonry, the bridge dates from the early 20th century and is of fairly common design.